

[LINEUP]



Rod Style

Ball Screw

Roller Screw

Integrate Bearing

Affordable

With Stepper

High Thrust

■ GTY Series

			
Reputability	±0.01mm		
Vmax	720 mm/s	1200 mm/s	1200 mm/s
Max Payload	25 kg	40 kg	110 kg
Stroke	50~500 mm	50~600 mm	50~800 mm

■ Y Series

				
Reputability	±0.01mm			
Vmax	720 mm/s	720 mm/s	720 mm/s	600 mm/s
Max Payload	40 kg	40 kg	100 kg	1200 kg
Stroke	50~500 mm	50~500 mm	50~700 mm	50~800 mm

■ CY Series

				
Reputability	±0.01mm			
Vmax	600 mm/s	600 mm/s	240 mm/s	240 mm/s
Max Payload	40 kg	40 kg	80 kg	80 kg
Stroke	50~500 mm	50~500 mm	50~700 mm	50~700 mm

■ YH Series

	
YH95	
Reputability	±0.01mm
Vmax	42 mm/s
Max Payload	3000 kg
Stroke	50~800 mm

TOYO

Affordable

NEW

Y43/Y62 Rod Type BallScrew Actuator

01
Ball Screw
Drive
**High
Payload**

02
Max
Horizontal
Payload
100kg

03
Max
Vertical Payload
45kg

04
High
Repeatability
±0.01mm

05
Optional
Regen Resistor
**Increasing
Vertical
Payload**

06
Flexible
Motor Position

07
**High
Strength
Structure**

TOYO

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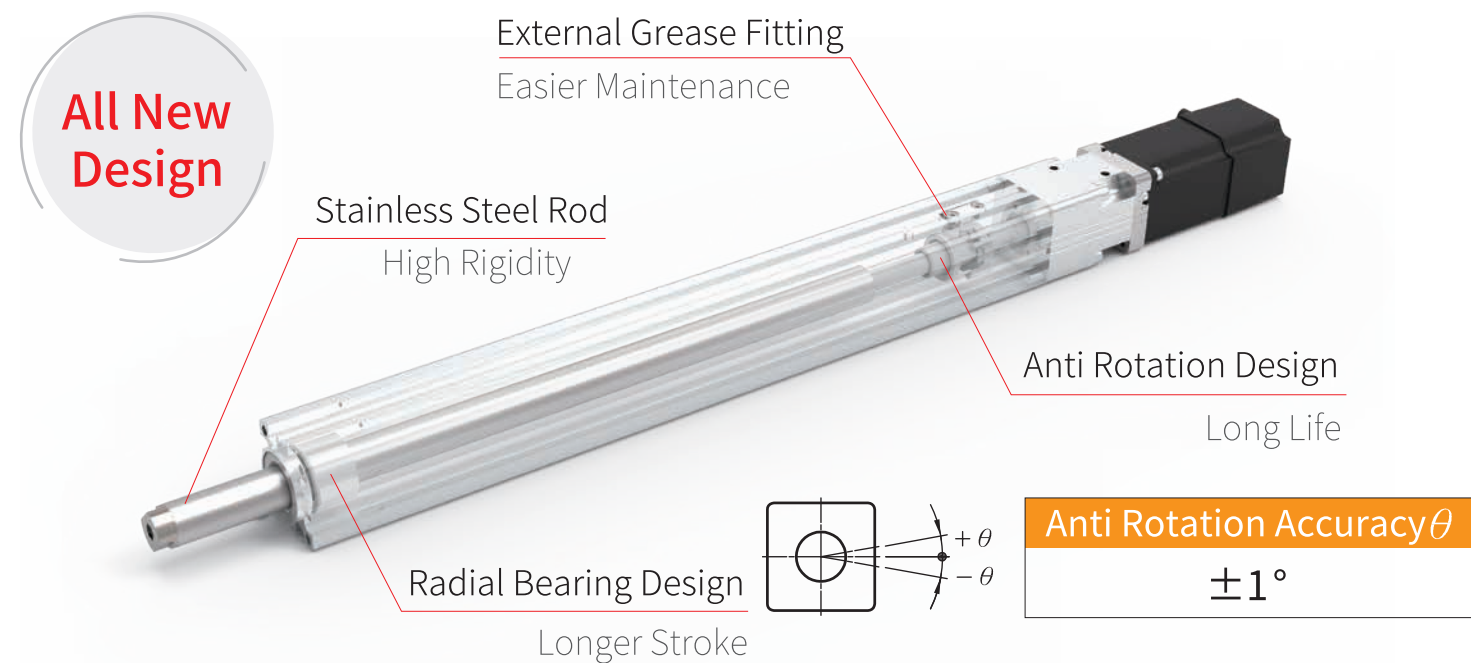
Official Website
www.toyorobot.com



TOYO AUTOMATION CO., LTD

Ver.202409

[Y43/Y62 Feature]



2nd Gen Affordable Rod Style Actuator

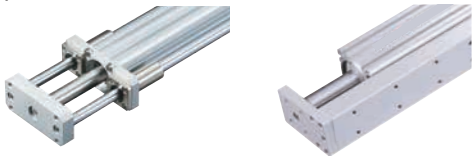
Self made component, lowering down the cost.

Rod Style Ball Screw Actuator



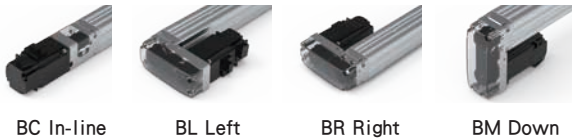
Optional Support

- Optional support rod for better side force resistant.
- Special design for anti rotation. Increasing life span.



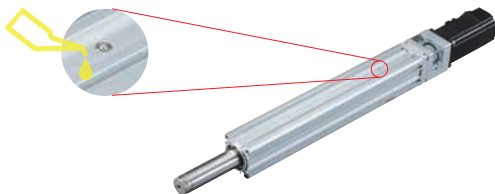
Multiple Motor Position

- For more flexible design choice.



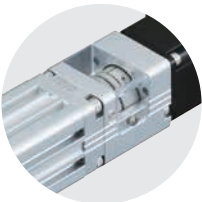
External Grease Port

- Easier maintenance. One grease port for all. No disassembly needed.



Transparent coupling housing

- Live monitoring. Check coupling without stopping the machine.
- Save time.



[Y43/Y62 Spec]

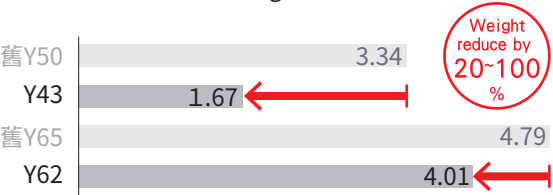
Model			Y43			Y62	
Repeatability		mm	±0.01			±0.01	
Lead		mm	2	6	12	6	12
Maximum linear speed		mm/s	120	360	720	360	720
Maximum Payload	Horizontal ^{*1}	kg	40	30	20	100	80
	Vertical (No regen resistor)	kg	12	9	7	33	23
	Vertical (With 60W regen resistor)	kg	14	12	11	45	30
Rated Thrust		N	854	284	142	1156	578
Stroke (increments)		mm	50-500mm /50 Spacing			50-700mm /50 Spacing	
AC Servo Motor Output		W	100			400	
Ball Screw Ø		mm	C7Ø10			C7Ø14	

^{*1} If payload is near maximum, it requires to collocate externally with auxiliary guideway for bearing radial load.

Reduced Weight

Unit:kg

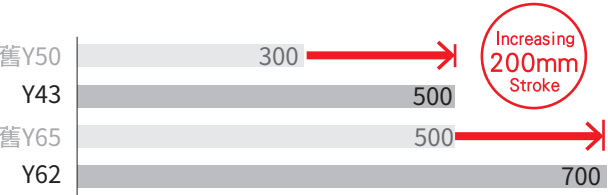
- Stainless rod, better weight distribution than iron rod used in 1st gen. An example of 300mm stroke



Longer Effective Stroke

Unit:mm

- Radial bearing design for increasing stroke. Up to 700mm.



[Optional Accessories]

- Choose the accessories that fit your application.
- Get your design freedom back!

